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APPLICATION NO.	FILING DATE.	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/790,604	03/01/2004	Robert W. Johnson JR.	9060-221	9585

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EXAMINER

DEBERADINIS, ROBERT L

ART UNIT	PAPER NUMBER
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2836

MAIL DATE	DELIVERY MODE
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05/14/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/790,604

Applicant(s)

JOHNSON ET AL.

Examiner

Robert DeBeradinis

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 March 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-37 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 are rejected under 35 U.S.C. 103(a) as being unpatentable over SOBKOW et al. 20010024109 in view of FRANCIS et al. 6,678,268.

CLAIMS 1,5,6 SOBKOW discloses a power supply system provides trunk line power to a segment of a network by concurrently operating multiple power supply devices with the power supply devices being configured in a load sharing configuration having supporting electronics components providing the electrical signal conditioning, monitoring, digital signal monitoring and control and network communications to monitor the electrical voltage and current of each power supply as well as the total voltage and current being delivered to the network. SOBKOW does not disclose a plurality of segment loading indicators each of the loading indicators operative to provide an indication of a loading of the associated load segment output. FRANCIS et al. discloses each module (252) is equipped with LED indicators (1520) indicating the status of the

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unit. It would have been obvious to one having ordinary skill in the art at the time of this invention to have modified the power supply system to have a plurality of segment loading indicators each of the loading indicators operative to provide an indication of a loading of the associated load segment output to quickly identify a faulty segment.

CLAIMS 2,4 SOBKOW et al. in view of discloses FRANCIS et al. discloses the apparatus of claim 1. The references do not disclose wherein one of the segment loading indicators is operative to provide an indication of a loading of the associated load segment output with respect to load rating of the associated load segment output. SOBKOW discloses monitoring the electrical voltage and current of each power supply as well as the total voltage and current delivered to the segments. FRANCIS et al. discloses indicators on each segment for quickly identifying faulty segments. It would have been obvious to one having ordinary skill in the art at the time of this invention to have modified the line segments to have indicators indicating over current condition for the segment to identify a fault in the segment.

CLAIM 7, SOBKOW et al. in view of discloses FRANCIS et al. discloses the apparatus of claim 4. The above references are silent as to indicators integrated in an uninterruptible power supply and wherein respective ones of the segment loading indicators are operative to provide a visual indication of respective loading of respective load segment outputs of the UPS. SOBKOW discloses load sharing circuitry ensures that each provided power supply is equally loaded, typically at a level far below each power supply's maximum operating amperage, indicating that enough power is available to maintain circuit operation even if one supply should be disconnected.

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FRANCIS discloses indicators on a segment. It would have been obvious to one having ordinary skill in the art at the time of this invention to have modified the power supply system to incorporate the UPS features and the indicators for visual indication of the operating status for the system.

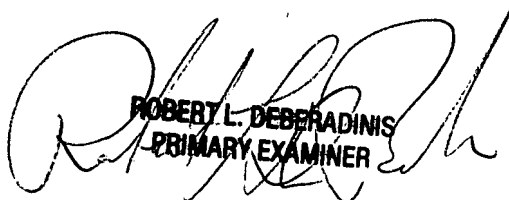
CLAIM 8-37, SOBKOW discloses a power system including segments the power supply system monitors the electrical voltage and current of each power supply as well as the total voltage and current being delivered to the segments. FRANCIS discloses power supply front panel equipped with indicators indicating the status of the unit (figure20). It would have been obvious to one having ordinary skill in the art to have merely arranged panels and indicators and determined the desired values to monitor to quickly determine the system performance of segments of a power system.

Any inquiry concerning this communication should be directed to Robert L. DeBeradinis whose number is (571) 272-2049. The Examiner can normally be reached Monday-Friday from 8:30 am to 5:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Brian Sircus, can be reached on (571) 272-2058. The Fax phone number for this Group is (571) 272-8300.

RLD

APRIL 30, 2007


ROBERT L. DEBERADINIS
PRIMARY EXAMINER